GE Series 90-70 Series Service Manual

IC697CPM914

1. Description

The GE Fanuc IC697CPM914 module is a 32 megahertz CPU module. The IC697CPM914 module supports a 32-bit instruction size.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Series 90-70**
Part	**Number IC697CPM914**
Product	**type CPU module**
Compatibility	**GE Fanuc 90-70 PLCs**
Current	**draw 2.8 Amps**
Voltage	**input 5 Volts DC**
Clock	**speed 32 megahertz**
Microprocessor	**80486DX**
Serial	**port 1**
Analog	**I/O supported 8000**
The	**IC697CPM914 module is a 32-bit CPU module with floating point support. This module uses an 80486DX processor which has a clock speed of 32 megahertz. The power requirements of the module are 2.8 Amps of nominal current and 5 Volts DC voltage. The IC697CPM914 module supports up to 512 kilobytes of RAM. The memory is battery-backed by an on-board lithium battery which can provide 6 months of memory retention. An RS-422/RS-485 compatible serial port is available on the module. This port can be used to connect to a Work Station interface in a programming computer. This serial port can also connect to a serial port on a programming computer through an RS-422 to RS-232 converter. The serial port on the IC697CPM914 module has a 15-pin D-type**

3. Product Information

The GE Fanuc IC697CPM914 module is a 32 megahertz CPU module. The IC697CPM914 module supports a 32-bit instruction size.

Technical specifications for IC697CPM914

Brand GE Fanuc

Series Series 90-70

Part Number IC697CPM914

Product type CPU module

Compatibility GE Fanuc 90-70 PLCs

Current draw 2.8 Amps

Voltage input 5 Volts DC

Clock speed 32 megahertz

Microprocessor 80486DX

Serial port 1

Analog I/O supported 8000

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A parallel connection to a port on the bus transmitter module can also be used to connect the IC697CPM914 CPU module to a MS-DOS based programmer. Ethernet connections for CPU programming are also supported. The IC697CPM914 module supports up to 8000 analog I/O and 12,000 I/O in any mix. One slot is required in the PLC rack for the installation of the CPU module. Four status LEDs provide status updates. The programming and configuration of the IC697CPM914 module needs to be performed through software because the CPU does not have DIP switches for configuration. Several optional modules are supported including Ethernet, coprocessor, bus controller, and I/O modules. The recommended working temperature range for the module is from 0 to 60 degrees Celsius. The recommended range for relative humidity is from 5 to 95%.